

November 13, 1964

PROCESSOR DEVELOPMENT PROGRAM

The organizational changes at [] are settling down. [] was named Director of Engineering and he is working diligently at establishing a sound organization and allaying any possible apprehensions of the engineering groups.

I reviewed the program with [] and reiterated George T. Tyson's request for:

1. Program personnel organization list, preferably with brief biographies.
2. Program task organization chart, preferably with brief task descriptions.

They said they would have the charts at least for the visit of George T. Tyson and John P. Agnew on November 17. Progress Report #3 was mailed on Thursday, November 5, according to [] so it appears they are starting to communicate on a current basis.

The clean room installation is starting to move along rapidly and will take up a major portion of Ivan's time over the next few months. Demolition is substantially complete and the area pretty well cleared. The concrete slab is laid for the HTA-5. The [] steel floor beams are due to arrive November 23 and that will initiate the clean room installation work. It is scheduled to be completed in February, 1965. [] has completed all but four of the stainless steel wall panels so erection of the clean room should move along rapidly.

The test work on the pipe and fittings may turn out to be quite productive. A simple fairing of the PVC pipe ends in the fittings gave an almost 10% increase in flow efficiency. A further increase is expected from

DDR - DUPE

Processor Development Program
November 13, 1964
-2-

the stainless steel food industry pipe and fittings because of its smooth clean bore design. High efficiency flow plumbing could materially reduce the power requirement of the HTA-5 which is now excessive.

The single slot, very narrow liquid bearing is certainly attacking the problem in a fairly fundamental way at one end of the spectrum. They are making some headway in controlling pressure distribution along the slot. The aim is to obtain a self-centering liquid bearing which could then be used without edge guides for the film.

This would be quite an achievement. Most of this work was done by [redacted] are full of enthusiasm and ideas for the program. They are extremely anxious to get it moving in high gear.

STAT

[redacted] STAT